

Inventor(s): SUGIYAMA et al.
Appln. No.: 09 | 098,730

Series Code ↑ | Serial No. ↑
Filed: June 18, 1998
Title: MULTILAYERED AIR-FUEL RATIO SENSOR

Asst. Commissioner of Patents
Washington, D.C. 20231

Sir.

REPLY/AMENDMENT/LETTER

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. "Small Entity" statement(s) filed <input type="checkbox"/>		Claims remaining after amendment (No.)		Highest number previously paid for		Present Extra		Large/Small Entity		Additional Fee		Fee Code							
<input type="checkbox"/> previously <input type="checkbox"/> herewith																			
2. Total Effective Claims		6		**minus		20		0		x \$18/\$9 =		+\$0		103/203					
3. Independent Claims		1		***minus		3		0		x \$78/\$39 =		+\$0		102/202					
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)												add		+\$260/\$130 =		+\$0		104/204	
5. Original due Date: July 17, 2000		<input type="checkbox"/> NONE																	
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached												(1 mo)		\$110/\$55 =				115/215	
												(2 mos)		\$380/\$190 =		+\$110		116/216	
												(3 mos)		\$870/\$435 =				117/217	
												(Usable only for ≤ 2mo.OA - - - 4 mos)		\$1360/\$680 =				118/218	
												(Usable only for 30 day/1mo.OA - - - 5 mos)		\$1850/\$925 =				128/228	
7. Enter any previous extension fee paid since above original due date and subtract												- \$0							
8.												Extension Fee Attached		+\$110					
9. If Terminal Disclaimer attached, add Rule 20(d) official fee												+\$110/\$55 =		+\$0		148/248			
10. If IDS attached requires Official Fee, or if Rule 97(d) Petition												add		+\$240 =		+\$240		126	
												add		+\$130 =				122	
11. After-Final Request Fee per rules 129(a) and 17(r)												+\$690/345 =		+\$0		146/246			
12. No. of additional inventions for examination per Rule 129(b)												x \$690/345 ea =		+\$0		149/249			
13. Petition fee for														+\$0					
14.												TOTAL FEE ENCLOSED =				\$350			

15. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

16. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

17. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown in the heading hereof, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately

1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918
Tel: (202) 861-3000
Atty/Sec: G.JP/KKV:ksh

**Pillsbury Madison & Sutro LLP
Intellectual Property Group**

Intersectoral Property Group
By Atty: Glenn J. Perry

By Atty. Glenn J. Ferry

Sig: - ^{for} (Karen L. Gandy) Fax: (202) 822-0844

Sig: Patricia A. Brown (Reg. No. 16-2-2) Fax: (202) 822-0944

46, 323) Tel: (202) 861-3070

Project in the [HTML](#) [PDF](#) [Word](#) [Excel](#) [PowerPoint](#)

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

D. Hawensel
#11/C
8/22/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:

SUGIYAMA et al.

Appln. No.: 09/098,730

Filed: June 18, 1998

FOR: **MULTILAYERED AIR-FUEL RATIO
SENSOR**

Group Art Unit: 1743

Examiner: TUNG, T.



AMENDMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Date: August 16, 2000

Sir:

In response to the Office Action mailed April 17, 2000, please amend this application as follows:

IN THE CLAIMS:

1. (Thrice Amended) A multilayered air-fuel ratio sensor having a plurality of stacked layers comprising:

a plurality of multilayered substrate layers comprising at least [two] one solid electrolytic substrate [layers] layer and at least one insulating substrate layer; and

[a plurality of boundary layers located at respective boundaries of said multilayered substrate layers] a boundary layer interposed between said solid electrolytic substrate layer and said insulating substrate layer,

wherein [said plurality of the boundary layers comprises at least one first boundary layer directly interposed between two adjacent solid electrolytic substrate layers as well as at least one second boundary layer directly interposed between one